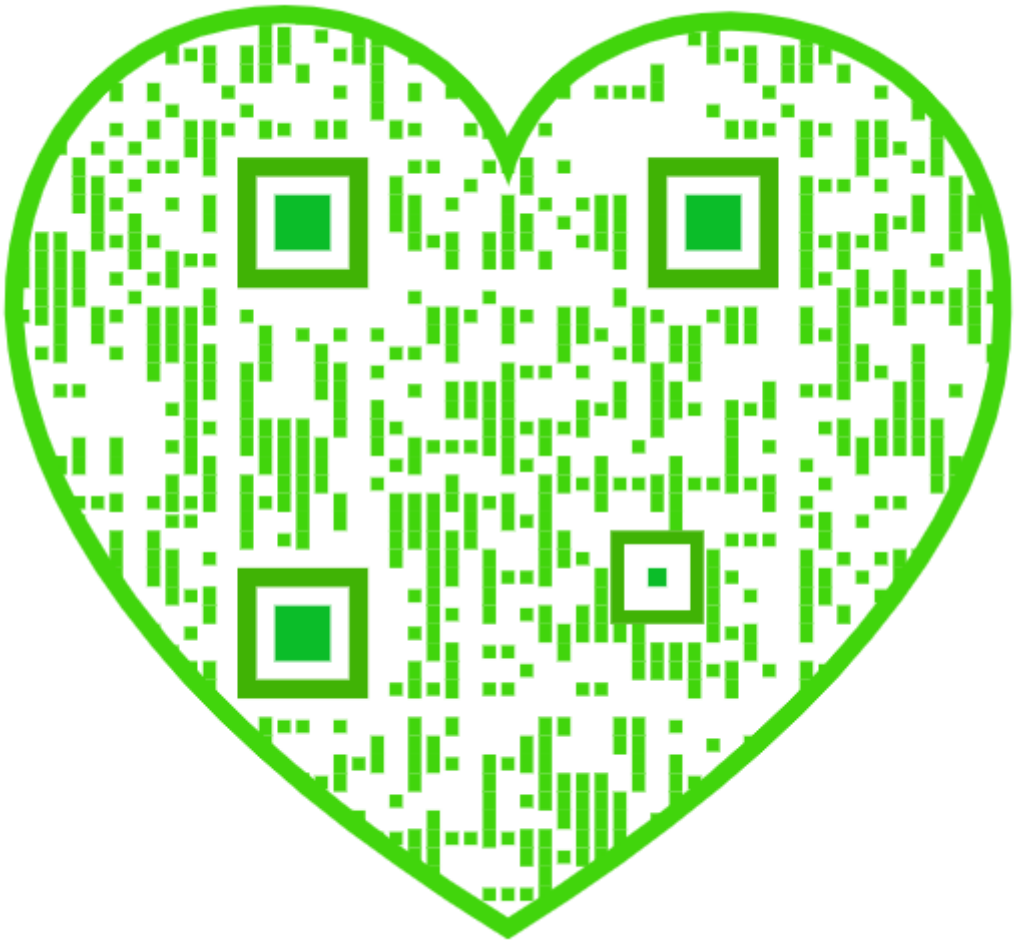
# Perfection and IVANHOE

# OIL-BURNING HEATERS

1949

PERFECTION STOVE COMPANY



THERMOSTAT: The Perfection Thermostat maintains a steady room temperature day or night, prevents costly and unhealthy overheating, and pays for itself in fuel oil savings.

TRANSFORMER: New type "plug-in" transformer is the "electric heart" that energizes the automatic thermostat control, plugs into any 115-volt 60-cycle wall outlet.

# More Comfort per Gallon with a Perfection Home Heater

It's that easy! With a single setting of the Perfection thermostat, you can take care of your heating for a day, a week or ALL WINTER. More important, you get exactly the temperature you want . . . no uncomfortable overheating . . . no need to bother to adjust the flame.

## MORE HEAT

Quality-built, every Perfection Heater is designed to produce the most heat out of every drop of oil. There's the high-grade steel combustion chamber for rapid heat transfer, the large grilled top for rapid heat circulation, the extra-large louver areas for rapid heat distribution, and the heat-extracting radiator that squeezes every bit of heat out into the room.

## "ALL OVER" WARMTH

Your new Perfection Heater keeps heat "on the move" so that you have warmth ALL OVER, not only on the floor but throughout the "living zone" as well. The extra-large louver areas permit the rapid flow of circulating heat and the full use of radiated heat, while its "Floor-Flo" Blower gives you an extra carpet of warmth over the floor.

## GREATER ECONOMY

Perfection's "Midget" Pilot burns over 40 HOURS on one gallon of oil, saves you fuel every time the heater cuts back to the pilot setting because the tiny "Midget" Pilot flame uses less fuel oil than the low fire of ordinary heaters. It also eliminates the discomfort of over-heating on those days when even a low fire is too much fire, and at the same time keeps your heater alert to do a giant job of quick heating when the need arises.

## A REAL BEAUTY

Furniture-styled to match the finest in home furnishings, your new Perfection Home Heater will please your eye with its modern design, beautiful silverspray brown enamel finish, wide chromium trim and compact, graceful appearance. You will be rightfully proud of your new Perfection Home Heater when you see how perfectly it blends with any color scheme in your home.

## MORE LEISURE

The combination of a fuel supply tank and Perfection's constant level valve automatically eliminates the janitor work of carrying fuel and building fires. The Perfection thermostat does away with the work and worry of adjusting the flame manually, gives you FULLY AUTOMATIC heating and even more leisure. Buy Perfection and you have more time for fun, friends and family.

**ENJOY SUMMERTIME WARMTH—ALL OVER WARMTH—ALL WINTER LONG WITH PERFECTION HEATING**

# WHY Perfection IS YOUR

Large porcelain-enameled grilled top allows rapid circulation of heat. Easily removable for cleaning and dusting interior parts.

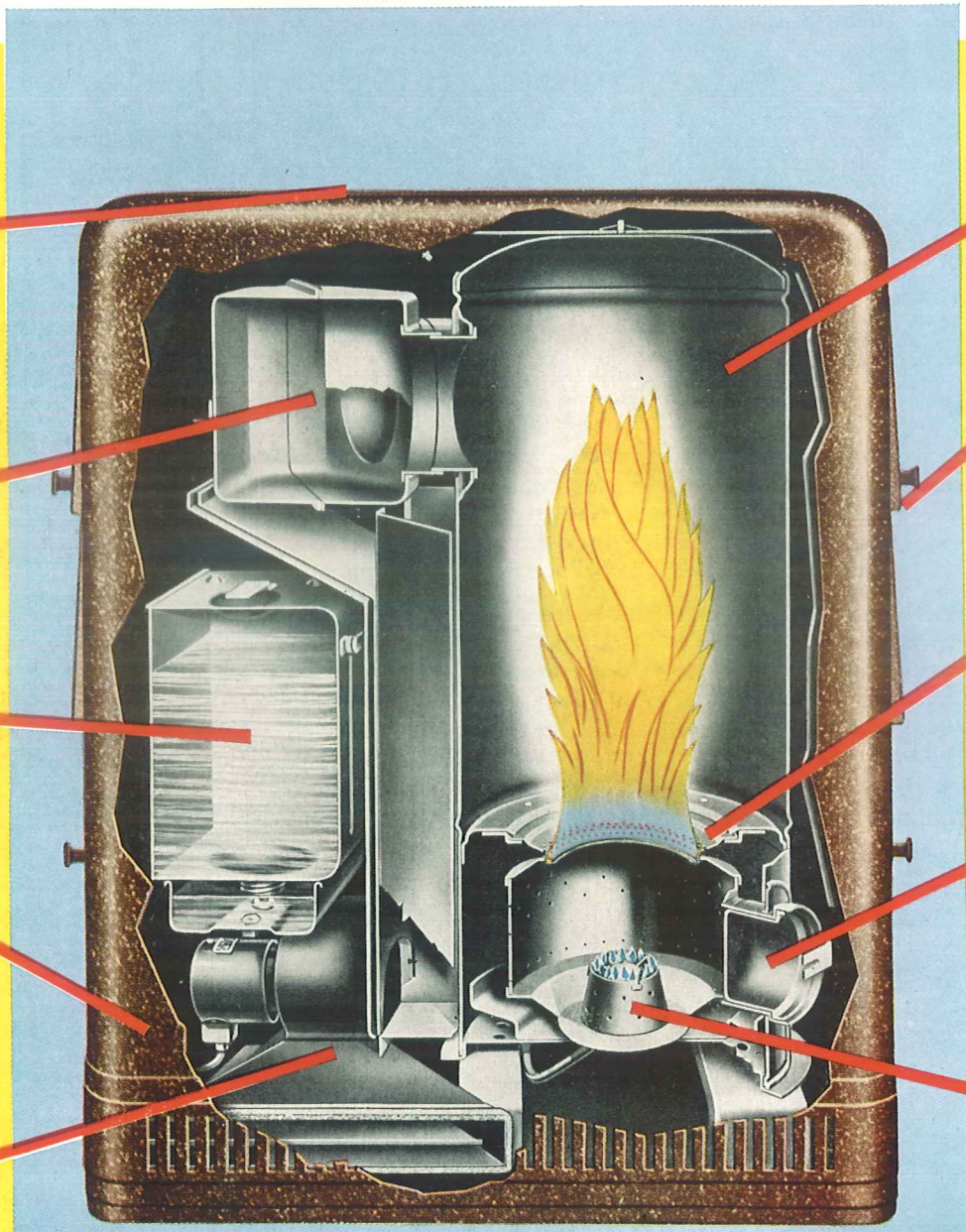
Large-size radiator with heat baffle which prolongs the travel of combustion gases, extracts added heat at no extra cost. A plus value!

Removable reservoir furnishes fuel oil for many hours of operation; can be refilled away from the heater.*

Beautiful silverspray brown enamel finish and sparkling chromium trim blend well with any color scheme.

Concealed Perfection Blower forces heated air across the floor as an extra carpet of warmth; has adjustable air control.*

*Blower and reservoir optional.



Durable combustion chamber of high grade steel is designed for maximum efficiency and rapid transfer.

Extra-large louver areas permit the rapid flow of circulating heat and the full use of radiated heat.

Vital parts of Perfection's "Multi-Heat" Burner are made of corrosion-resistant stainless steel for long life.

Convenient lighting tube makes lighting and occasional cleaning easy. Has Perfection-patented cam-lock plug.

Perfection's exclusive "Midget" Pilot operates for more than an hour on less than half a cup of fuel. Engineered for economy and dependability.

1. Combined constant level and oil control valve assures proper flow of fuel to the burner and prevents flooding.
2. Flexible plunger clean-out rod enables you to keep the fuel line clear without turning off the heat.
3. Conveniently located one-gallon humidifier adds moisture to the warm air.
4. Fingertip control permits quick manual adjustment to any flame, from pilot to high fire.
5. Automatic draft regulator keeps the draft steady for effective combustion.

*All Perfection and Ivanhoe Heaters are Approved by Underwriters' Laboratories*

# Best HOME HEATER Value!

## Perfection's "Midget" Pilot

### Burns more than 40 hours on a single gallon of oil

THE key to Perfection's greater day-to-day fuel savings is its "Midget" Pilot, a true pilot light, not a low fire. Every time your Perfection Heater operates at the pilot setting, you save fuel because the tiny flame of the "Midget" Pilot uses considerably less fuel than the lowest "low" fire on ordinary heaters.

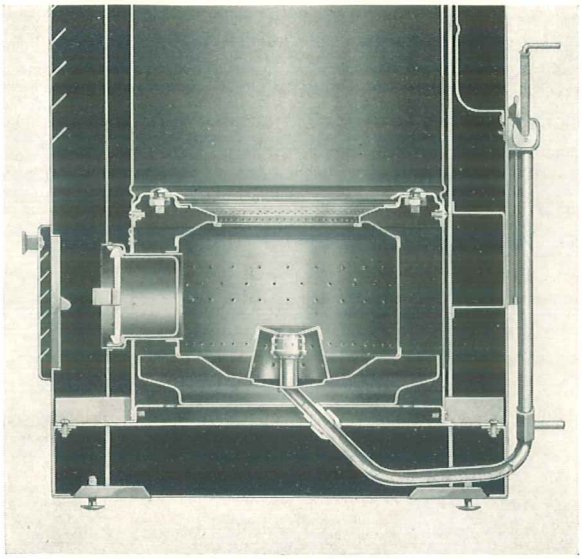
This economy of operation is doubly important when your heater is fully automatic. With the thermostat automatically reducing the flame to pilot setting as soon as heat needs are satisfied, the "Midget" Pilot not only saves fuel, but also keeps your heater always on the alert, ready to do a giant job of quick heating.

In the early fall or late spring—particularly in milder climates—this tiny flame is often sufficient to keep chills away. It eliminates the discomfort of overheating on those days when even a low fire is too much fire. On such "in-between" days, the small, steady flame of the "Midget" Pilot is more desirable than frequent shutting-off and relighting the burner to maintain living comfort.

### "Multi-Heat" Burner is Built for Years of Service and Fuel Economy

In addition to its fuel-saving "Midget" Pilot, Perfection's exclusive "Multi-Heat" Burner features a clean-burning flame that permits many stages of heat from tiny pilot flame to quick-heating high fire—a true "Multi-Heat" Burner. Its EFFICIENT COMBUSTION is the result of Perfection's extensive engineering research.

Every detail has been scientifically designed, even the position, size and angle of each of its numerous air inlets to achieve the proper balance of primary and secondary air for efficient heating. Having no moving parts, this burner is whisper quiet in operation.

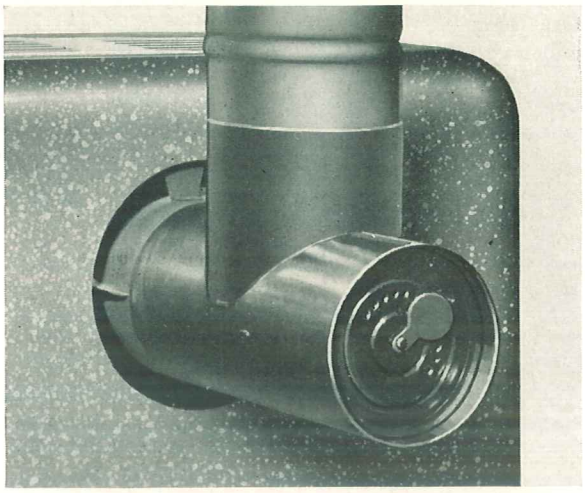


Corrosion-resistant stainless steel is used in making the vital parts of this "Multi-Heat" Burner to insure long life. Its welded steel burner bowl adds to the structural strength and heat efficiency of this burner. Streamlined and free of all interior obstructions, this "Multi-Heat" Burner is designed to get the most heat out of every drop of oil.

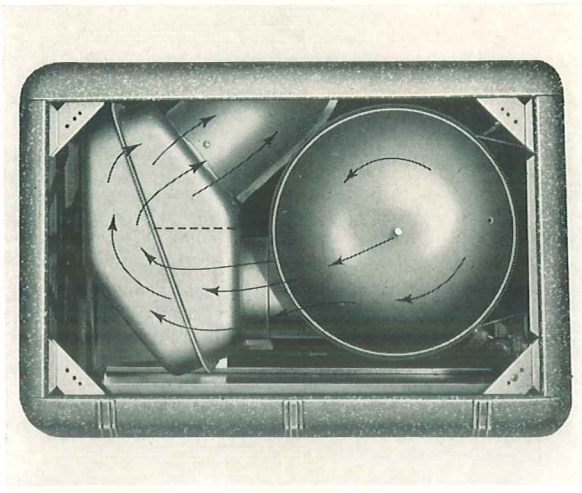
The combustion of the fuel-saving "Midget" Pilot—a truly economical, dependable pilot light—and the efficient heating of the "Multi-Heat" Burner makes it possible for you to have FULLY AUTOMATIC heating with your new Perfection Home Heater at a saving in fuel far greater than with ordinary home heaters.

*The Mark of Quality*

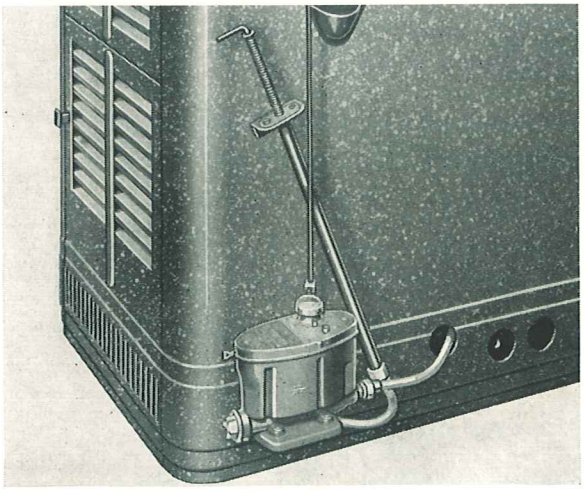
# FOR EXCLUSIVE FEATURES, EXTRA



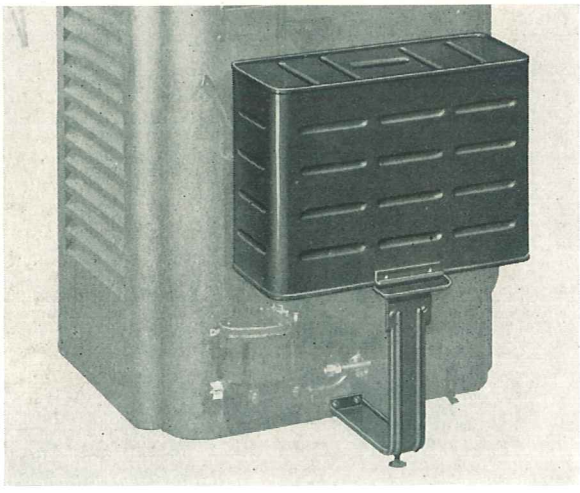
Perfection's Automatic Draft Regulator eliminates the bother of draft adjustment. Once adjusted when the heater is installed, it automatically corrects changes in stack draft caused by wind or temperature variations. Assures a clean-burning, efficient fire.



Top view of Perfection's large heat-saving radiator made of high grade steel for rapid heat transfer. Superimposed heat direction arrows show how the baffle prolongs the travel of combustion gases, extracting added heat at no extra cost. On Models 3168, 3168-26, 3155, 3155-26.

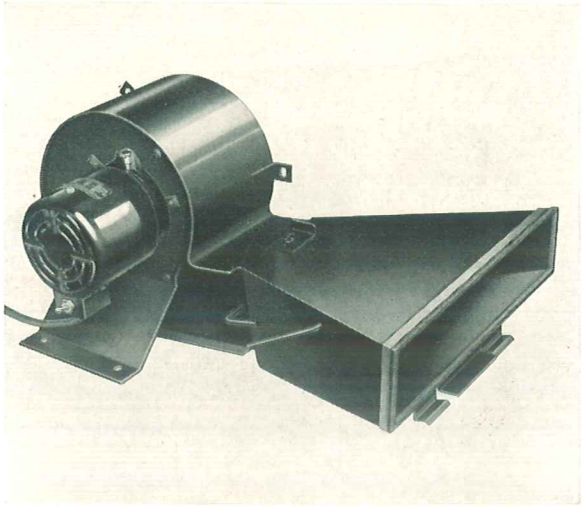


You can keep the fuel line clear without turning off the heat by occasionally moving the "L" shaped handle of the patented flexible plunger clean-out rod up and down. Assures a steady flow of fuel.



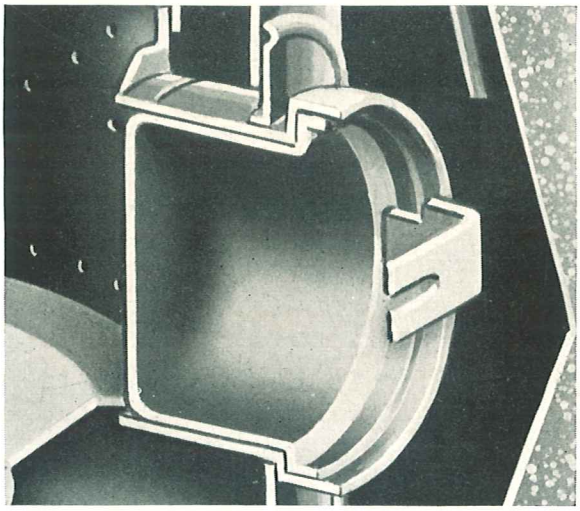
The removable reservoir permits easy refilling, away from the heater. This portable reservoir with its spring-seal cap will not splash or spill when being moved. For use when an outside storage tank is not used.

# VALUES—CHOOSE Perfection !

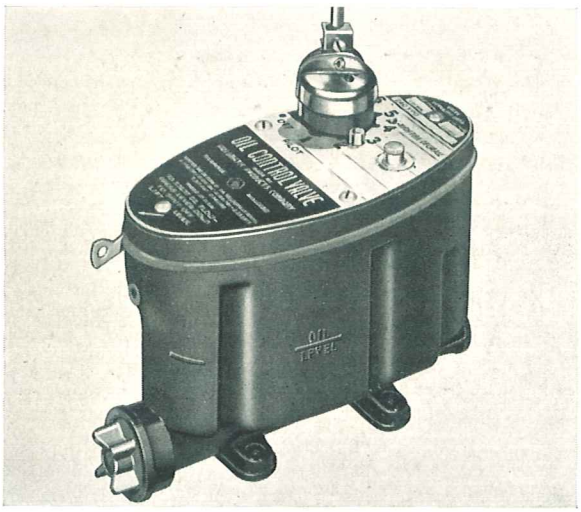


Perfection's "Floor-Flo" Blower, completely concealed inside the heater casing, is more than just a fan. It has a scientifically designed housing and adjustable air control to direct a comforting flow of heat across the floor to warm cold spots, far corners and hard-to-heat rooms.

Readily removable top permits easy cleaning of interior parts. Finished in durable porcelain enamel, it will not discolor or be injured by the heat. Reinforced with a steel bracket, it fits neatly into the casing frame—no chance of sticking or danger from protruding edges.



Perfection's convenient lighting tube makes lighting and occasional cleaning easy. Its cam-lock lighter plug—heavily constructed, gasketed, air-cooled—is patented by Perfection, another exclusive feature.




Combination oil control and constant level valve gives correct flow rates for high, medium, low and pilot fires as well as positive shut-off. This valve is temperature-compensated to insure adequate flow of fuel in cold weather.

# The Finest in Space

## BEAUTIFUL . . . DURABLE . . .

### MODEL 3168

Has a rated output of 68,000 B.t.u. per hour and is capable of doing a giant job of quick heating. Attractively styled, this console heater with its "Multi-Heat" Burner and "Midget" Pilot has a combination oil control and constant level valve, porcelain-enameled removable top grille and one-gallon humidifier. Its beautiful silverspray brown finish is durable porcelain enamel trimmed with chromium. It also has provision for the following optional equipment if desired: 5-gallon removable reservoir, automatic thermostat control and Perfection "Floor-Flo" Blower.

### MODEL 3168-26

Has all the same features as Model 3168 plus Perfection's "Floor-Flo" Blower installed at the factory as standard equipment.

**DETAILED SPECIFICATIONS OF PERFECTION HOME HEATERS**

| Model No. | Code Word | Overall Height | Overall Width | Overall Depth | Center of Flue To Floor | Net Wt. Lbs. | Domestic Ship. Wt. | Domestic Cubic Ft. |
|---|---|---|---|---|---|---|---|---|
| 3168 | Sandflee | 42¾″ | 35¼″ | 28½″ | 32¾″ | 145 | 180 | 32.91 |
| 3168-26 | Sandflee | 42¾″ | 35¼″ | 28½″ | 32¾″ | 158 | 193 | 32.91 |
| 3155 | Sandcrack | 41½″ | 32¾″ | 25½″ | 32¾″ | 127 | 154 | 26.54 |
| 3155-26 | Sandcrack | 41½″ | 32¾″ | 25½″ | 32¾″ | 140 | 167 | 26.54 |

# Heaters—Perfection

## ECONOMICAL . . . DEPENDABLE

## MODEL 3155

Has a rated output of 55,000 B.t.u. per hour and is an outstanding oil-burning heater for comfort-seeking people. With its "Multi-Heat" Burner and "Midget" Pilot, it provides an easy and economical way to heat small homes, apartments, stores and offices. Modern in appearance, with sleek lines, attractive finish and chromium trim, here is a console heater designed for efficiency, built for service, and styled for beauty. It has all the same features as Model 3168 as well as provision for the same optional equipment. Its finish, however, is silver-spray brown baked enamel.

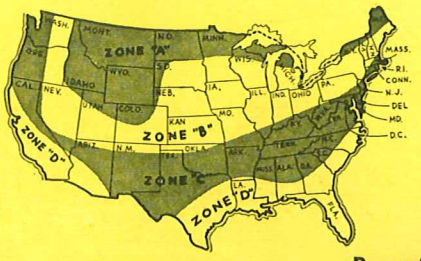
## MODEL 3155-26

Has all the same features as Model 3155 plus Perfection's "Floor-Flo" Blower installed at the factory as standard equipment.

**FUEL CONSUMPTION AND HEATING CAPACITIES OF PERFECTION HOME HEATERS**

| Model No. | Max. Heat Output B.t.u. per Hr. | APPROXIMATE HEATING CAPACITY* Cubic Feet of Space Heated to 70°F—Ordinary Dwelling Construction (See Zone Map) | | | | Oil Consumed Gallons Per Hour | | |
|---|---|---|---|---|---|---|---|---|
| | | Zone A | Zone B | Zone C | Zone D | Pilot | Low Fire | High Fire |
| 3168 & 3168-26 | 68,000 | 5650 | 6800 | 8500 | 11300 | .025 | .12 | .70 |
| 3155 & 3155-26 | 55,000 | 4600 | 5500 | 6900 | 9200 | .025 | .12 | .57 |

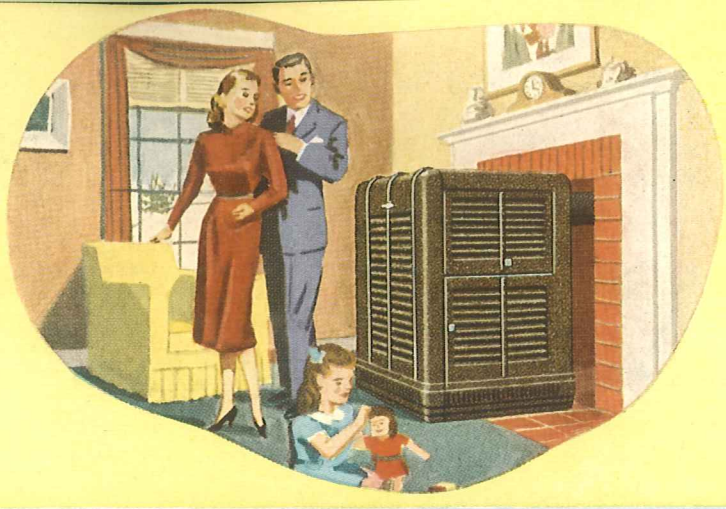
*Figures showing cubic feet of space heated are approximate only. They are based on estimates of B.t.u. requirements per hour per cubic foot, for residences of average construction in various zones, as shown on the map at right.



# PERFECTION

# "Low-Boy"

# HEATER



SMART and stylish, Perfection's new "Low-Boy" Heater is designed for those who want a low-built heater with high heat output.

Ideal for fireplaces, its low-flue feature permits a simple, attractive installation without disturbing the mantel or fireplace framework or making another opening in the wall.

With its rated output of 40,000 B.t.u. per hour, this console heater has the "Multi-Heat" Burner and "Midget" Pilot, combination oil control and constant level valve. The removable top grille and one-gallon humidifier are porcelain-enameled, the rest of the cabinet is finished in beautiful silver-spray brown baked enamel with sparkling chromium trim. It also has provision for the following optional equipment if desired: 5-gallon removable reservoir, automatic thermostat control, and Perfection "Floor-Flo" Blower.

**MODEL 3140**
Has a rated output of 40,000 B.t.u. per hour. Low and stylish, it is easily adaptable to different environments.

**MODEL 3140-26**
Has all the same features as Model 3140 plus Perfection's "Floor-Flo" Blower installed at the factory as standard equipment.

**DETAIL SPECIFICATIONS OF PERFECTION HOME HEATERS**

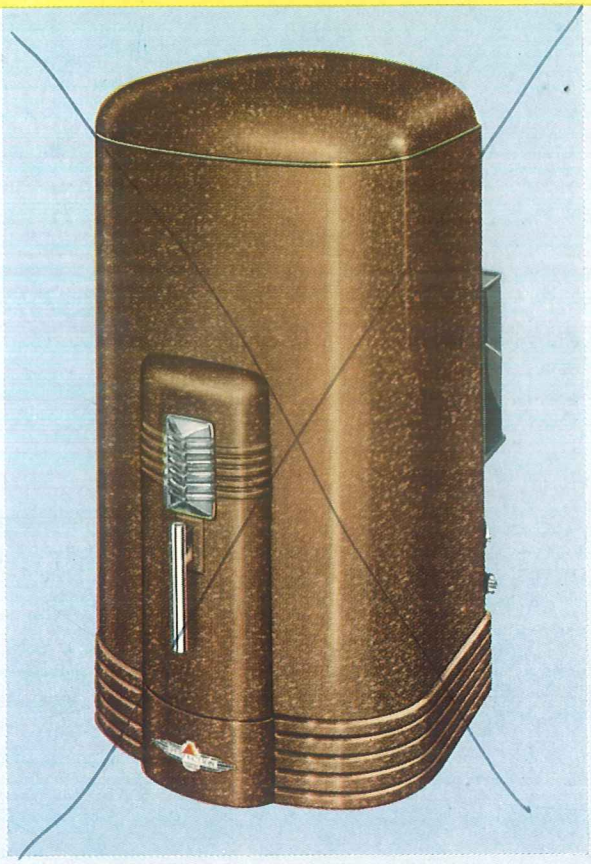
| Model No. | Code Word | Overall Height | Overall Width | Overall Depth | Center of Flue To Floor | Net Wt. Lbs. | Domestic Ship. Wt. | Domestic Cubic Ft. |
|---|---|---|---|---|---|---|---|---|
| 3140 | Sanding | 36½″ | 32¾″ | 25½″ | 27¼″ | 112¾ | 135 | 23.52 |
| 3140-26 | Sanding | 36½″ | 32¾″ | 25½″ | 27¼″ | 125¾ | 148 | 23.52 |
| 3050 | Sandjack | 40″ | 21⅜″ | 23⅞″ | 31⅝″ | 85 | 115* | 19.41 |
| 3040 | Sandlark | 36¼″ | 18½″ | 22″ | 28 11/16″ | 61 | 80* | 14.14 |

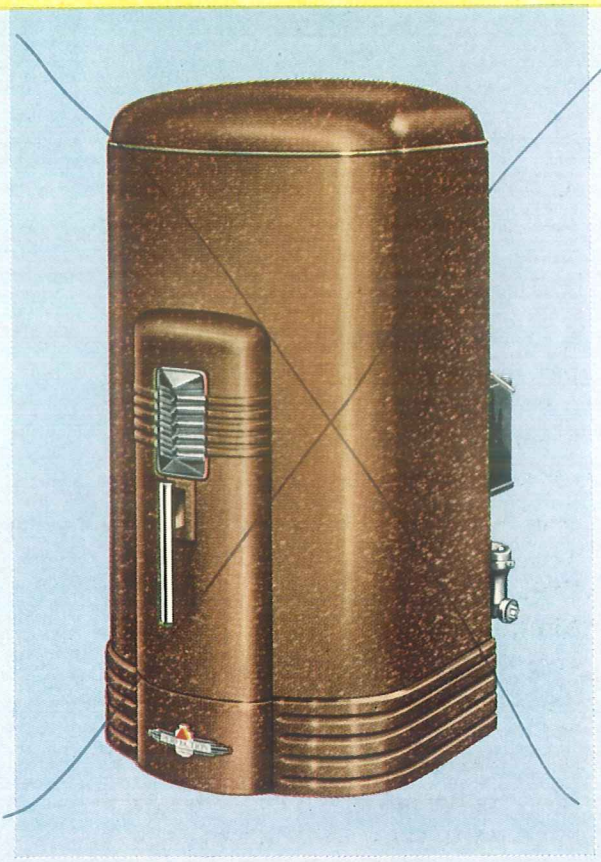
*These Weights are approximate.

# PERFECTION *Radiating* HEATERS

WHEREVER direct radiating heat is desired—in homes, offices, stores, warehouses, etc.—especially where it is necessary to concentrate the heat in a small portion of a large area, there is no finer heating equipment than the Perfection Radiating Heaters. The durable porcelain enamel finish that protects the attractive beauty of these heaters will not discolor or tarnish from the heat. For efficient heating, each heater is equipped with the "Multi-Heat" Burner and "Midget" Pilot.

Perfection's Radiating Heaters not only provide an abundance of comforting heat, but they also have these other advantages . . . CLEANLINESS—no ashes, no soot, no grates to shake . . . CONVENIENCE—easy to light, can be fully automatic in operation . . . QUICK HEAT REGULATION—merely turn the control to any setting desired.





**MODEL 3050**

Has a rated output of 50,000 B.t.u. per hour. Equipped with "Multi-Heat" Burner and "Midget" Pilot; has silverspray brown porcelain enamel finish, chromium trim, heat-resisting glass block fireview window, fully enclosed base, fuel line clean-out rod, combination oil control and constant level valve, and provision for 5-gallon removable reservoir as optional equipment.

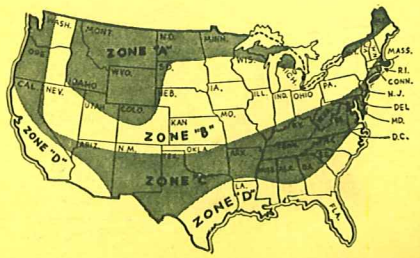
**MODEL 3040**

Also finished in porcelain enamel; has a rated output of 40,000 B.t.u. per hour, with the same features as Model 3050, except for its provision for a 3-gallon removable reservoir as optional equipment. For detail specifications on these two heaters, see tables below.

**FUEL CONSUMPTION AND HEATING CAPACITIES OF PERFECTION HOME HEATERS**

| Model No. | Max. Heat Output B.t.u. per Hr. | APPROXIMATE HEATING CAPACITY* Cubic Feet of Space Heated to 70°F—Ordinary Dwelling Construction (See Zone Map) | | | | Oil Consumed Gallons Per Hour | | |
|---|---|---|---|---|---|---|---|---|
| | | Zone A | Zone B | Zone C | Zone D | Pilot | Low Fire | High Fire |
| 3140 & 3140-26 | 40,000 | 3330 | 4000 | 5000 | 6660 | .025 | .12 | .42 |
| 3050 | 50,000 | 4170 | 5000 | 6250 | 8340 | .025 | .12 | .51 |
| 3040 | 40,000 | 3330 | 4000 | 5000 | 6660 | .025 | .12 | .42 |

*Figures showing cubic feet of space heated are approximate only. They are based on estimates of B.t.u. requirements per hour per cubic foot, for residences of average construction in various zones, as shown on the map at right.



# IVANHOE *Cabinet* HE

MODERN and attractive, the Ivanhoe Home Heater line combines low first cost and day-to-day economy with a great amount of utility. Styled and engineered to do a good heating job in a wide variety of installations, this combination of beauty, economy and utility assures you a high return of heating comfort for your investment.

The two Ivanhoe Cabinet Heaters—Models 2150 and 2130—are smartly streamlined, finished in beautiful silverspray brown baked enamel with sparkling chromium trim, and have extra-large louver areas that permit the rapid flow of circulating heat and the full use of radiated heat. A "plus" value in these Ivanhoe Heaters is the inclusion of several outstanding Perfection features such as the fuel line clean-out rod, the automatic draft regulator, and the convenient lighter tube with cam-lock plug.

The new "Multi-Heat" Burner and the "Midget" Pilot that burns more than 40 HOURS on one gallon of oil are featured on Models 2150 and 2050. With this "Midget" Pilot, these Ivanhoe Heaters have a true pilot light whose tiny flame is a real fuel saver and enables you to have FULLY AUTOMATIC heating merely by adding Perfection's thermostat control.

**MODEL 2150**

Has a rated output of 50,000 B.t.u. per hour. Equipped with the "Multi-Heat" Burner and "Midget" Pilot, automatic draft regulator, porcelain-enameled one-gallon humidifier, combination oil control and constant level valve, fuel line clean-out rod, porcelain-enameled removable top grille, large louver areas in front and on the sides to aid heat distribution. Finished in beautiful silverspray brown baked enamel with chromium trim. Has convenient lighter tube with easy-to-remove cam-lock plug, and provision at the rear for 5-gallon removable reservoir as optional equipment.

**DETAIL SPECIFICATIONS OF IVANHOE HOME HEATERS**

| Model No. | Code Word | Overall Height | Overall Width | Overall Depth | Center of Flue To Floor | Net Wt. Lbs. | Domestic Ship. Wt. | Domestic Cubic Ft. |
|---|---|---|---|---|---|---|---|---|
| 2150 | Sandeel | 45″ | 24″ | 25⅝″ | 36½″ | 105 | 128 | 24.14 |
| 2130 | Sandflag | 33¼″ | 19″ | 20¾″ | 26¾″ | 55 | 68 | 11.27 |
| 2050 | Sandman | 42″ | 18½″ | 23½″ | 34¼″ | 66¾ | 90 | 16.87 |
| 2030 | Sandpear | 33⅞″ | 16⅝″ | 25⅝″ | 32″ | 34¾ | 53* | 12.40 |

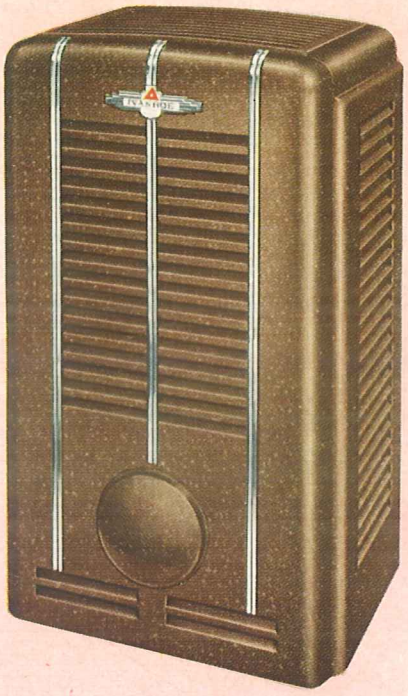
*This Weight is approximate.

# ATERS

# IVANHOE

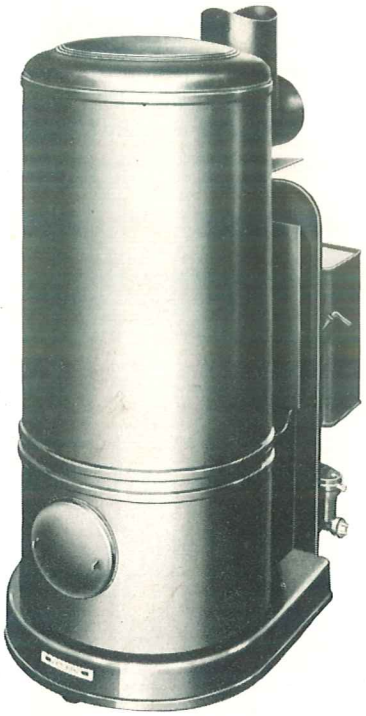
## *Radiating Heaters*

FOR general utility purposes—in stores, warehouses, on loading docks, on construction jobs to dry out plaster, etc.—any place where high heating capacity at low cost is of principal importance, these Ivanhoe Oil-Burning Radiating Heaters offer an economical and effective answer to the heating problem.



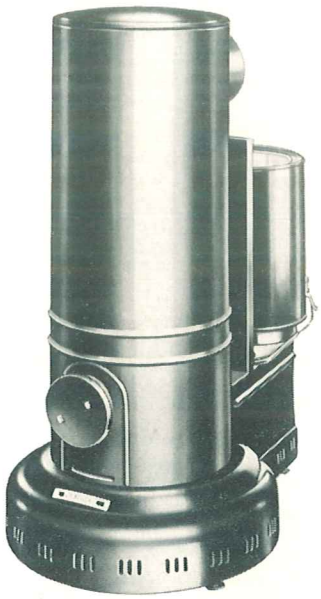
### MODEL 2130

Has a rated output of 30,000 B.t.u. per hour. Equipped with efficient self-vaporizing burner, constant level valve, automatic draft regulator, beautiful silverspray brown baked enamel finish with chromium trim, and porcelain enameled removable top grille. Has provision at rear for 3-gallon removable reservoir as optional equipment.



### MODEL 2050

Has a rated output of 50,000 B.t.u. per hour. Equipped with "Multi-Heat" Burner with its "Midget" Pilot, automatic draft regulator, combination oil control and constant level valve, fuel line clean-out rod, polished steel body with black japanned enclosed base. A five-gallon removable reservoir is optional equipment.



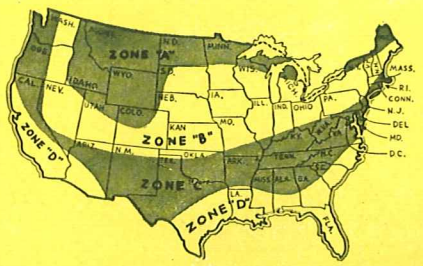
### MODEL 2030

Has a rated output of 30,000 B.t.u. per hour. Body is polished steel; enclosed base is finished in black japan; has efficient self-vaporizing burner, and automatic draft regulator. A 3-gallon removable reservoir is furnished with this heater.

**FUEL CONSUMPTION AND HEATING CAPACITIES OF IVANHOE HOME HEATERS**

| Model No. | Max. Heat Output B.t.u. per Hr. | APPROXIMATE HEATING CAPACITY* Cubic Feet of Space Heated to 70°F—Ordinary Dwelling Construction (See Zone Map) | | | | Oil Consumed Gallons Per Hour | | |
|---|---|---|---|---|---|---|---|---|
| | | Zone A | Zone B | Zone C | Zone D | Pilot | Low Fire | High Fire |
| 2150 | 50,000 | 4170 | 5000 | 6250 | 8340 | .025 | .12 | .51 |
| 2130 | 30,000 | 2500 | 3000 | 3750 | 5000 | .... | .08 | .32 |
| 2050 | 50,000 | 4170 | 5000 | 6250 | 8340 | .025 | .12 | .51 |
| 2030 | 30,000 | 2500 | 3000 | 3750 | 5000 | .... | .08 | .32 |

*Figures showing cubic feet of space heated are approximate only. They are based on estimates of B.t.u. requirements per hour per cubic foot, for residences of average construction in various zones, as shown on the map at right.



# PERFECTION *Portable* HEATERS

CARRY the heat where you want it—around the home, garage, office, shop, church or school. With a Perfection Portable Heater, you can increase the temperature where needed—in the bathroom, bedroom, sick room, laundry, workshop, play room or nursery—without overheating other rooms. For on-the-spot quick heat, Perfection Portable Heaters are highly efficient chill chasers. Convenient to carry. Easy to use.

Millions of Perfection Portable Heaters have been purchased and put to use in homes, small offices, cottages, and on dairy and poultry farms throughout the world, giving splendid service year after year. Attractively designed, each model is skillfully constructed of quality material to insure heating efficiency and long life.

**MODEL 750**

This Deluxe Perfection "Firelight" Heater with Pyrex Brand glass globe, features a burner and reservoir made of brass for long life. Has two-tone brown and white porcelain enameled drums; chrome-plated handwheel and trimming; double safety catch; built-in floor tray; chrome-plated air-cooled handle. Will burn for 12 to 17 hours on a single filling of the reservoir. Radiating both heat and light, this "Firelight" model is as cheerful as an open fireplace but is handier and more efficient. Approved by Underwriters' Laboratories.

*The Mark of Quality*

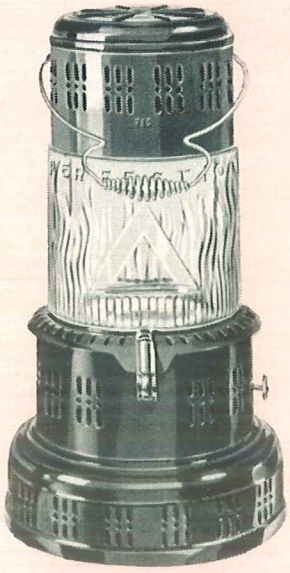
**GENERAL SPECIFICATIONS OF PERFECTION PORTABLE HEATERS—OIL CONSUMPTION AND HEATING CAPACITIES**

| Model No. | Widest Base Inches | Height Inches | Weight Lbs. | Shipping Wt. Lbs. | Domestic Cu. Ft. | Export Ship. Wt. Lbs. (4 in crate) | Export Cu. Ft. (4 in Crate) | Code Word |
|---|---|---|---|---|---|---|---|---|
| 750 | 13⅛ | 24¼ | 14½ | 18 | 3.58 | 86 | 16-7/12 | Acceptor |
| 735 | 13⅛ | 24¼ | 13 | 16 | 2.84 | 76 | 13-2/12 | Acaudate |
| 730 | 13⅛ | 24¼ | 10 | 13 | 2.84 | 66 | 13-2/12 | Acaudal |
| 525 | 17¼ | 24¼ | 9¾ | 12½ | 2.73 | 66 | 12-3/12 | Corollary |

| Model No. | Reservoir Capacity Gallons | (*) Approximate Heating Cap. Cu. Ft. of Space 0° to 70° | 20° to 70° | Max. Available Heat B.t.u. per Hr. | Oil Consumed Gal. per Hr. (≠) Min. | Max. | Hours Will Burn On One Filling (≠) Min. | Max. |
|---|---|---|---|---|---|---|---|---|
| All Models | .80 | 1100 | 1500 | 11,000 | .04 | .097 | 12 | 17 |

(*) Approximate only; vary widely with (1) climate, (2) construction, and (3) type of buildings. Do not apply to trailers or special cases. Definite estimates in special cases furnished on request. (≠) Using a good grade of kerosene.

# for Convenience, Style and Comfort

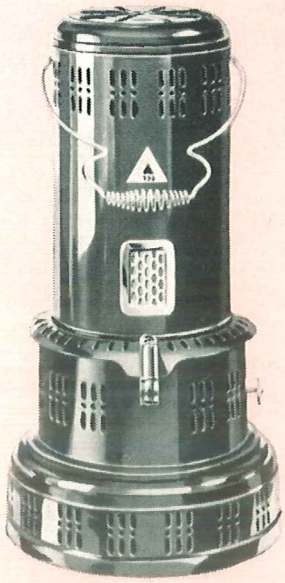


**MODEL 735**

Designed to provide "Firelight" coziness at lower cost, this portable heater has the same heating capacity as Model 750. Has Pyrex Brand glass globe, black baked enamel top and lower drum; upper drum in polished steel; built-in floor tray; zinc-coated steel reservoir; double safety catch; air-cooled handle. Approved by Underwriters' Laboratories.

**MODEL 525**

General utility style, the favorite of many for years. Very popular because of its heat-producing qualities and low cost. Its upper drum is polished steel. The top, lower drum and trimming are finished in black baked enamel. It is equipped with a zinc-coated steel reservoir and an air-cooled handle.



**MODEL 730**

Here is Perfection's modern all-metal portable heater with the same heating capacity as Models 750 and 735. Upper drum is polished steel; black baked enamel lower drum and top; zinc-coated steel reservoir; built-in floor tray; double safety catch; air-cooled handle. Approved by Underwriters' Laboratories.

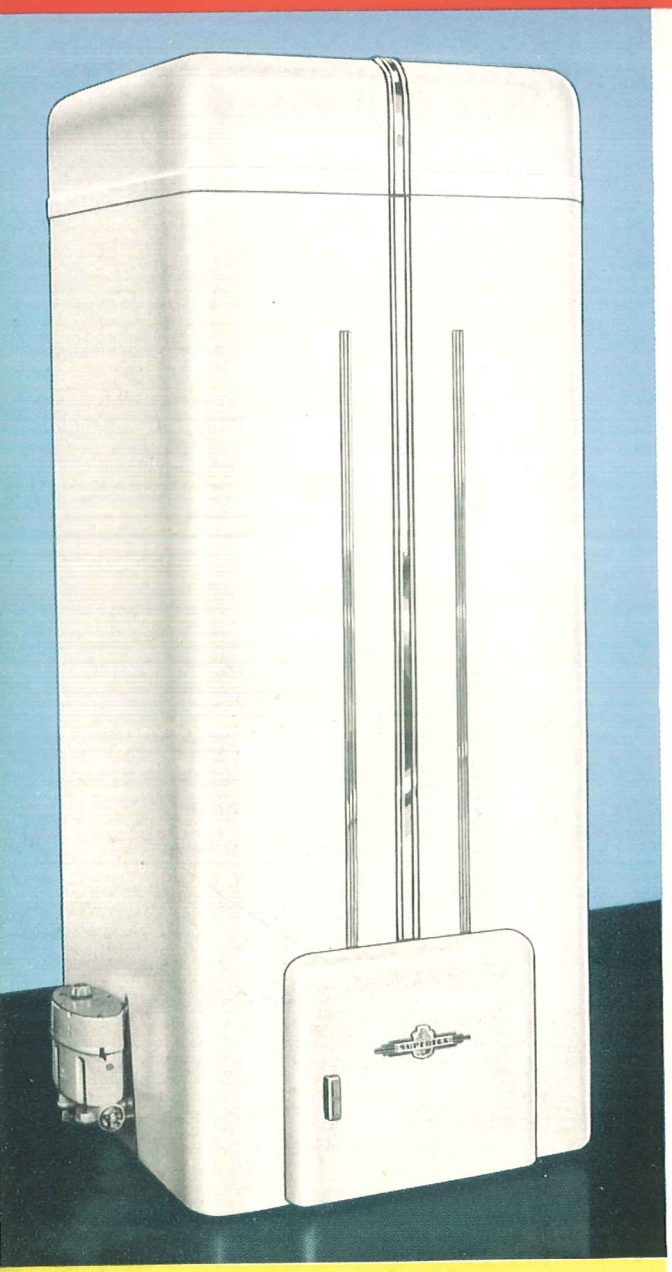
## QUICK HEAT WHERE YOU WANT IT

IN THE *Home*

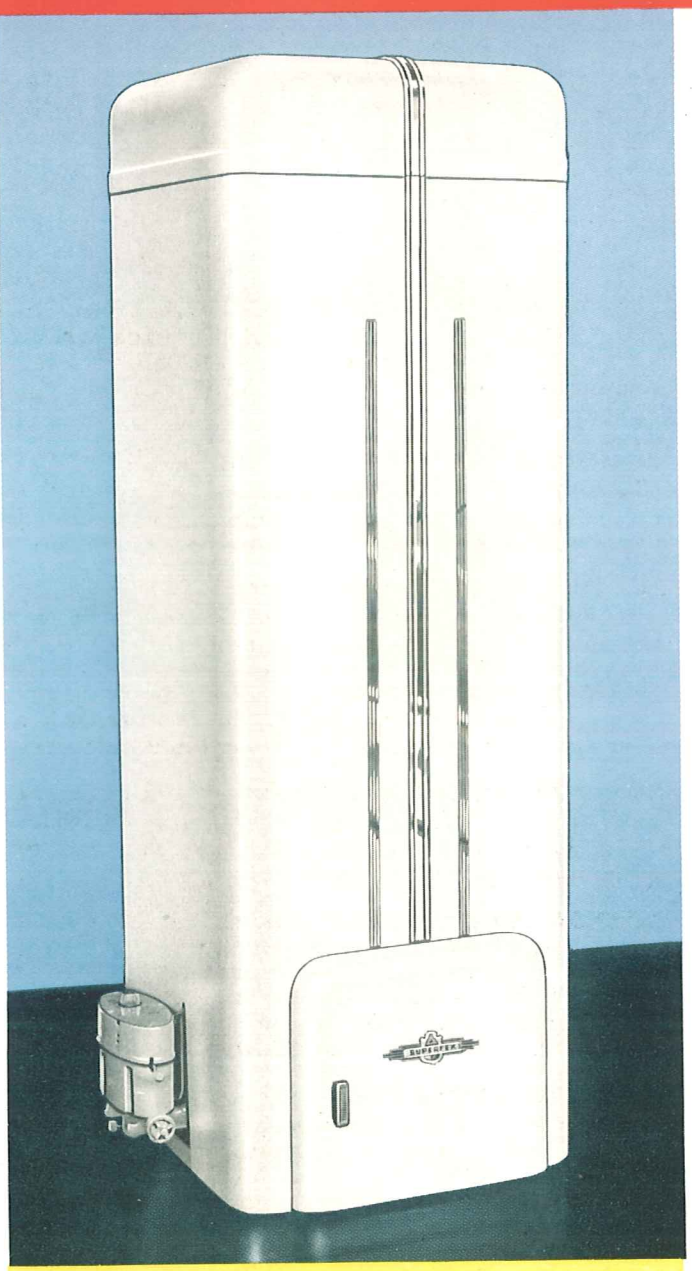
IN THE *Office*

IN THE *Laundry*

# NEW! Superfex AUTOMATIC



*MODEL 450:* 50 gallon storage capacity. Recovery rate 60 gallons per hour, raised 60° F. in temperature. Covers less than 4½ square feet of floor space. For families of five or more persons and for families using automatic washing appliances.



*MODEL 430:* 30 gallon storage capacity. Recovery rate 45 gallons per hour, raised 60° F. in temperature. Covers less than 3½ square feet of floor space. For a family of less than five persons.

FOLKS everywhere can now enjoy the convenience of abundant hot water with the new Superfex Automatic Water Heater. Whether you live in the city or in the country, you can now have all the hot water you want without work or worry with the new oil-burning Superfex—a completely self-contained unit, entirely independent of gas mains or electric current.

What convenience—Superfex is AUTOMATIC! What economy—Superfex's highly efficient burner features the "Midget" Pilot that burns more than 40 HOURS on one gallon of oil. And what a beauty—Superfex's glistening white enamel finish and rectangular cabinet styling is as new as tomorrow—ideal for modern kitchens, utility or recreation rooms.

Quality-built throughout by the Perfection Stove Company, the new oil-burning, automatic Superfex heats water rapidly—at the rate of 45 gallons per hour, raised 60° F. for the smaller model, or 60 gallons per hour, raised 60° F. for the larger model. A gallon of hot water every minute—that's SUPERFEX, the modern way to AUTOMATIC water heating without work or worry.

# OIL-BURNING WATER HEATERS

## Only SUPERFEX Has All These Extra-Value Features

**25% MORE HEATING SURFACE** — The Superfex Oil Water Heater provides 25% MORE heating surface than ordinary water heaters because the entire bottom of its galvanized tank and the wall of its extra-large center flue is *all* heating surface.

**PRE-HEATED COMBUSTION AIR** — To increase burner efficiency, the combustion air enters through grilles located at the top-rear of the casing and is pre-heated by the warmth of the tank as the air passes downward.

**SEALED-IN BURNER COMPARTMENT** — Floor drafts, dust and dirt cannot affect the flame because the burner compartment is sealed in at the bottom.

**SELF-VAPORIZING BURNER** — Made of heavy gauge steel for years of dependable service, this burner has no moving parts, nothing to wear out, and is quiet, too.

**ECONOMICAL PILOT FIRE** — The clean, small flame of Perfection's "Midget" Pilot burns over 40 HOURS on one gallon of oil and maintains the water temperature without overheating when no hot water is drawn.

**DEPENDABLE OIL CONTROL**—Its precision-built valve meters fuel oil to the burner exactingly at all times.

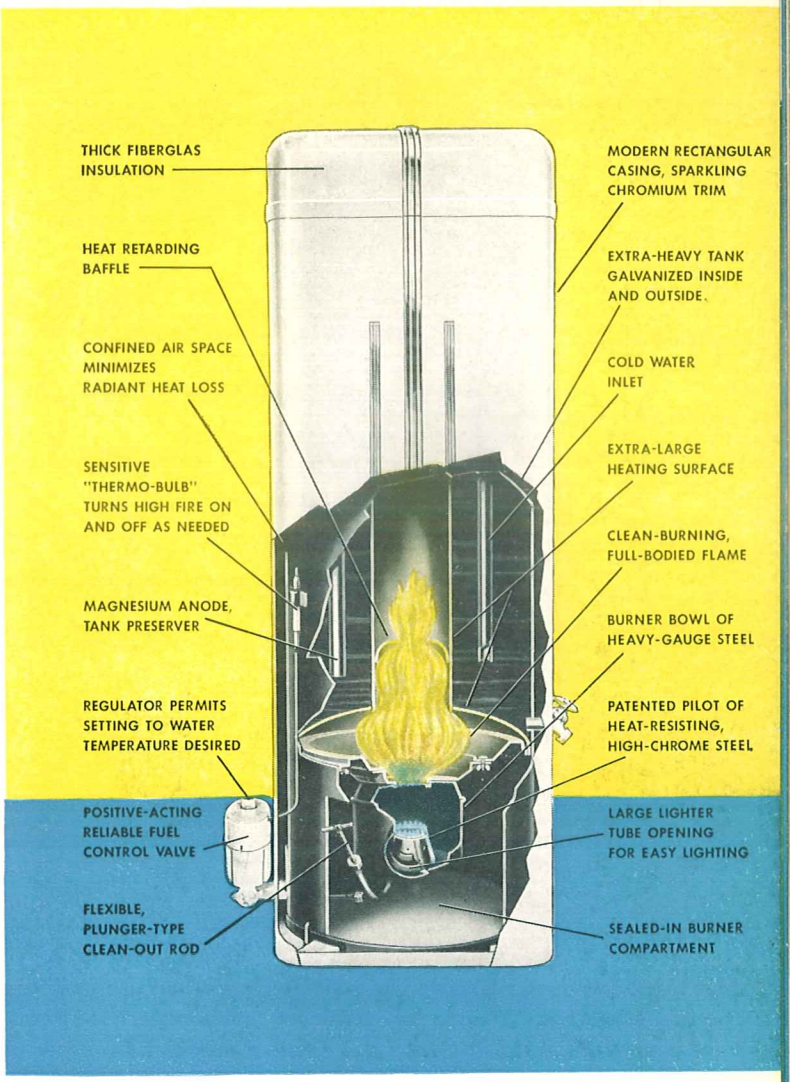
**FUEL LINE CLEAN-OUT** — The flexible plunger clean-out rod enables you to keep the fuel line clear without turning off the burner, an exclusive Superfex feature.

**WATER TEMPERATURE CONTROL** — Conveniently located, this control will maintain any water temperature you select from lukewarm to piping hot. Its sensitive thermostat regulates the burner automatically.

**AUTOMATIC DRAFT REGULATOR** — This unit maintains a steady, uniform draft regardless of outside weather conditions. Superfex Oil Water Heaters give top performance on drafts as low as .03 or as high as .06.

**MAGNESIUM TANK PRESERVER** — Every Superfex comes equipped with a magnesium rod which protects the interior of the tank from corrosion, adding years to its life.

**INDIVIDUALLY TESTED TANK**—Every Superfex tank is extra heavy, electrically welded, galvanized inside and outside, and is factory-tested at a pressure of 300 pounds per square inch.

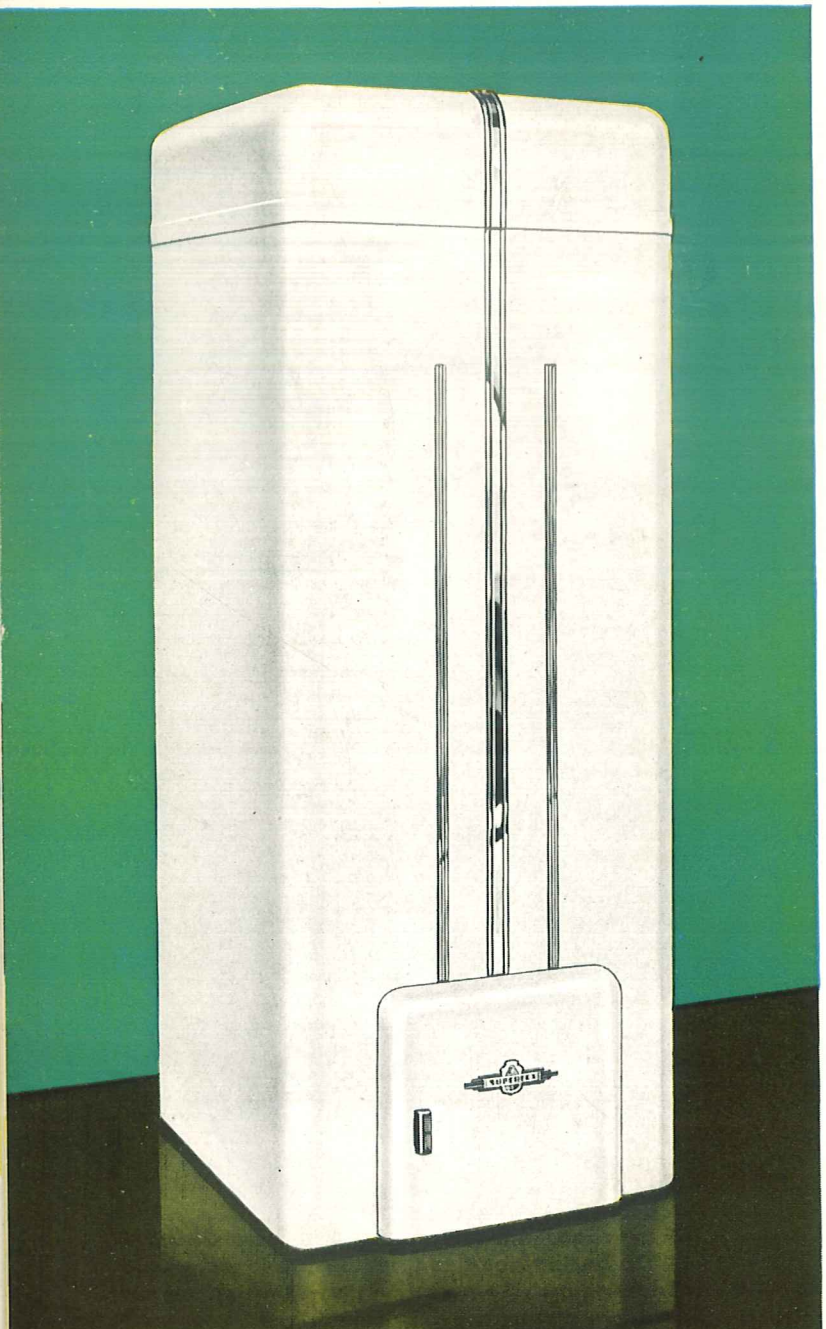

THICK FIBERGLAS INSULATION
HEAT RETARDING BAFFLE
CONFINED AIR SPACE MINIMIZES RADIANT HEAT LOSS
SENSITIVE "THERMO-BULB" TURNS HIGH FIRE ON AND OFF AS NEEDED
MAGNESIUM ANODE, TANK PRESERVER
REGULATOR PERMITS SETTING TO WATER TEMPERATURE DESIRED
POSITIVE-ACTING RELIABLE FUEL CONTROL VALVE
FLEXIBLE, PLUNGER-TYPE CLEAN-OUT ROD
MODERN RECTANGULAR CASING, SPARKLING CHROMIUM TRIM
EXTRA-HEAVY TANK GALVANIZED INSIDE AND OUTSIDE.
COLD WATER INLET
EXTRA-LARGE HEATING SURFACE
CLEAN-BURNING, FULL-BODIED FLAME
BURNER BOWL OF HEAVY-GAUGE STEEL
PATENTED PILOT OF HEAT-RESISTING, HIGH-CHROME STEEL
LARGE LIGHTER TUBE OPENING FOR EASY LIGHTING
SEALED-IN BURNER COMPARTMENT

**PROPER INSULATION** — Both the heavy covering of glass wool insulation at the top of the tank and the confined air space between the tank and the casing serve to maintain water temperature and conserve heat.

**BEAUTIFUL DESIGN**—With its distinctive rectangular design, Superfex is styled to match modern home appliances and kitchen cabinets. Smart in appearance and finished in lustrous white enamel, it adds beauty to the kitchen, utility or recreation room.

PRODUCTS OF
PERFECTION STOVE COMPANY

# New! Superfex AUTOMATIC Gas WATER



**MODEL 650: 50 gallon storage capacity. Recovery rate 60 gallons per hour, raised 60°F in temperature. Covers less than 4 1/2 square feet of floor space. For families of five or more persons and for families using automatic washing appliances.**

## ONLY SUPERFEX GIVES YOU ALL

**EXTRA-LARGE HEATING SURFACE**—Rapid transfer of heat to the water is obtained because the entire bottom of the tank, plus the wall of the large, six-inch center flue, is *all* heating surface.

**MAXIMUM HEAT ABSORPTION**—Four stainless steel, heat deflecting baffles efficiently spread the heat to the entire surface of the center flue for maximum heat absorption.

**AUTOMATIC BURNER CONTROL**—Handily located inside the casing door and easy to set, this reliable control automatically keeps you well-supplied with hot water. This precision-made control is constructed of non-rusting aluminum.

**WATER TEMPERATURE CONTROL**—The desired water temperature is maintained by a simple thermostat that automatically turns the gas on or off as needed.

**EFFICIENT, DURABLE BURNER**—The extra-large, cast iron burner is scientifically shaped to uniformly heat the bottom of the tank. The raised, drilled ports of this aerated burner assure the most effective combustion of the fuel. This burner is rigidly mounted, yet easily removable for inspection, and has ample reserve capacity.

**HEAT REFLECTING BURNER BAFFLE**—A large, aluminum-bronzed burner baffle reflects radiant heat upward to the tank, heat that otherwise would be wasted. When the burner goes to pilot fire, this baffle also helps to retain heat in the burner chamber.

**SAFETY PILOT FIRE**—Easy to light, the 100% safety pilot is a rigidly mounted metal tube that burns a tiny amount of gas. Should the pilot ever go out, the flow of *all* gas is automatically shut off. This pilot cannot get out of position.

**MAGNESIUM TANK PRESERVER**—Every Superfex comes equipped with a magnesium rod which protects the interior of the tank from corrosion, adding years to its life and assuring clean hot water.

**PRODUCTS OF PERFECTION STOVE COMPANY**

# HEATERS

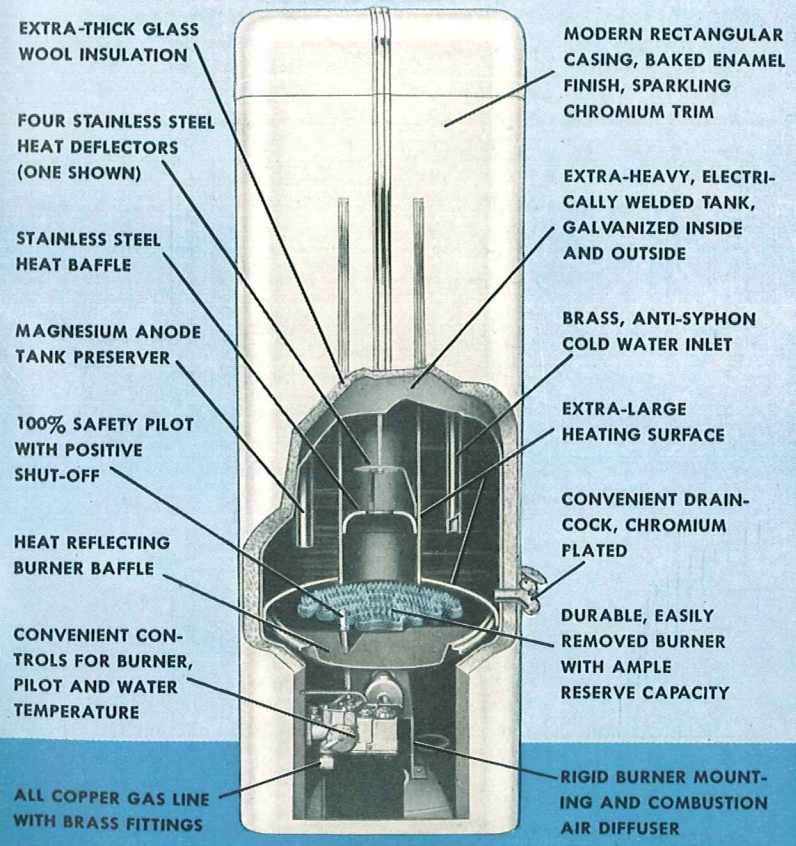
*Here is a water heater that combines graceful, modern beauty with trustworthy performance. It will automatically provide you with all the hot water you need at the lowest cost per gallon! . . . And Superfex can be adapted to use any available gas.*

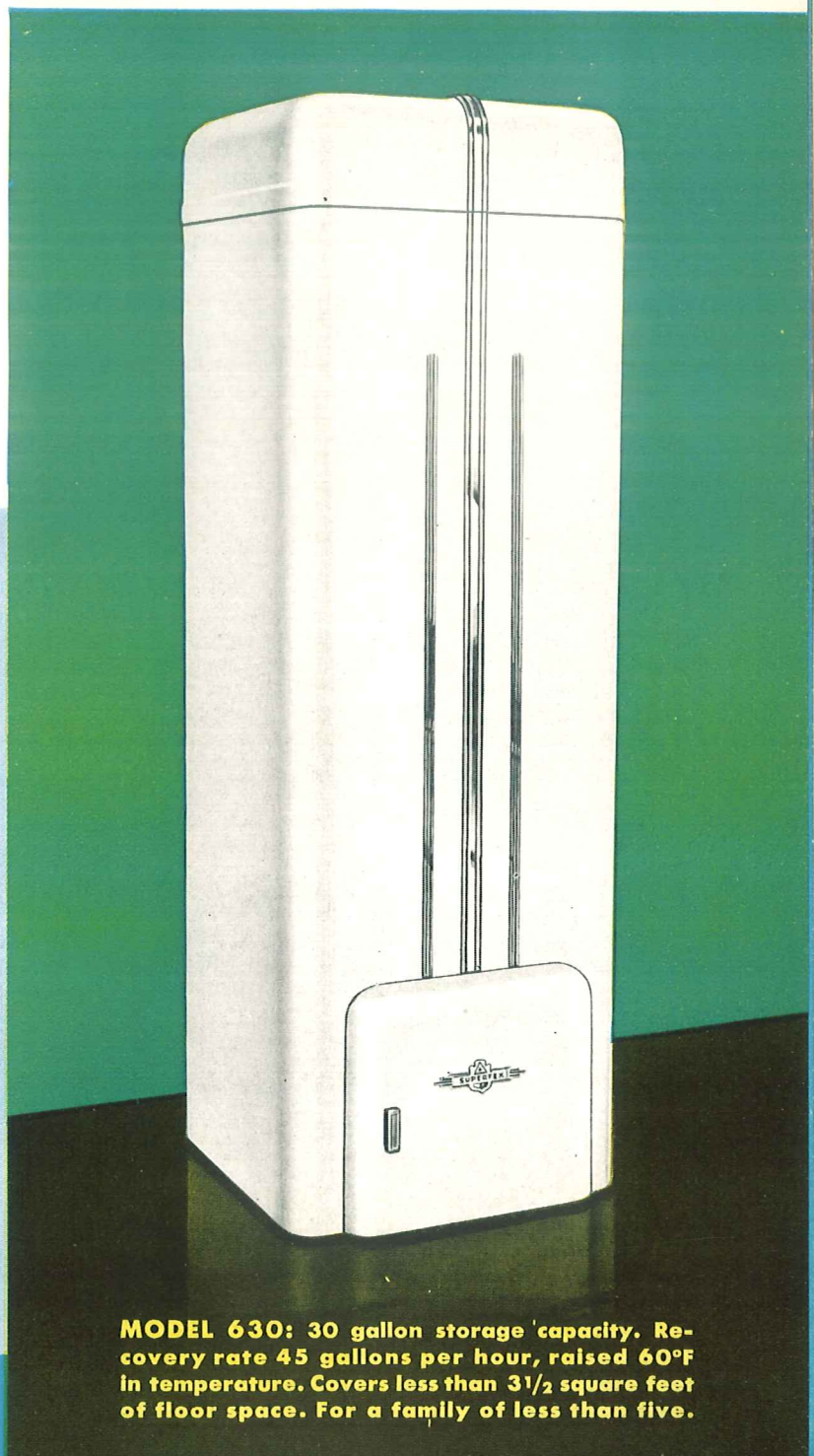
## THESE OUTSTANDING FEATURES

**HEAVY, GLASS WOOL INSULATION**—An extra-thick mat of glass wool insulation all around the tank holds the heat in the water. This means greater fuel savings.

**INDIVIDUALLY TESTED TANK**—Every Superfex tank is factory-tested at a pressure of 300 pounds per square inch. Extra heavy and electrically welded, it is galvanized inside and outside.

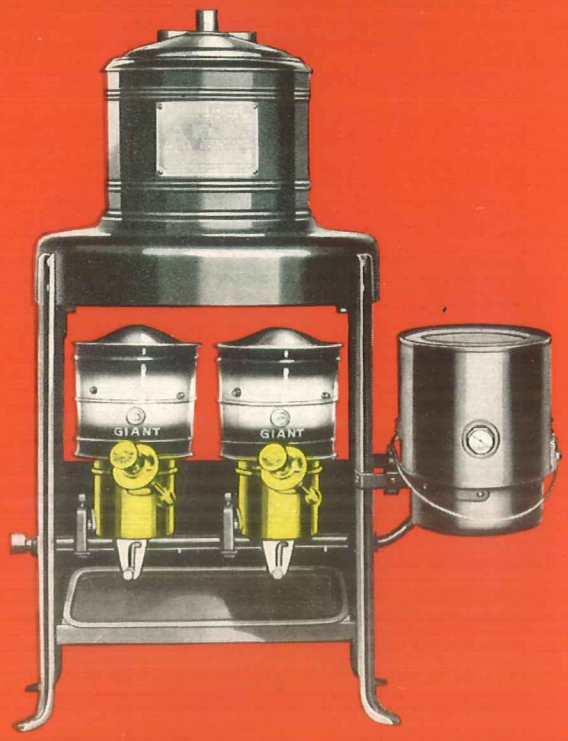
**MODERN STYLING**—Rectangular in design with rounded corners, the Superfex is strikingly beautiful in every detail.


EXTRA-THICK GLASS WOOL INSULATION
FOUR STAINLESS STEEL HEAT DEFLECTORS (ONE SHOWN)
STAINLESS STEEL HEAT BAFFLE
MAGNESIUM ANODE TANK PRESERVER
100% SAFETY PILOT WITH POSITIVE SHUT-OFF
HEAT REFLECTING BURNER BAFFLE
CONVENIENT CONTROLS FOR BURNER, PILOT AND WATER TEMPERATURE
ALL COPPER GAS LINE WITH BRASS FITTINGS
MODERN RECTANGULAR CASING, BAKED ENAMEL FINISH, SPARKLING CHROMIUM TRIM
EXTRA-HEAVY, ELECTRICALLY WELDED TANK, GALVANIZED INSIDE AND OUTSIDE
BRASS, ANTI-SYPHON COLD WATER INLET
EXTRA-LARGE HEATING SURFACE
CONVENIENT DRAIN-COCK, CHROMIUM PLATED
DURABLE, EASILY REMOVED BURNER WITH AMPLE RESERVE CAPACITY
RIGID BURNER MOUNTING AND COMBUSTION AIR DIFFUSER



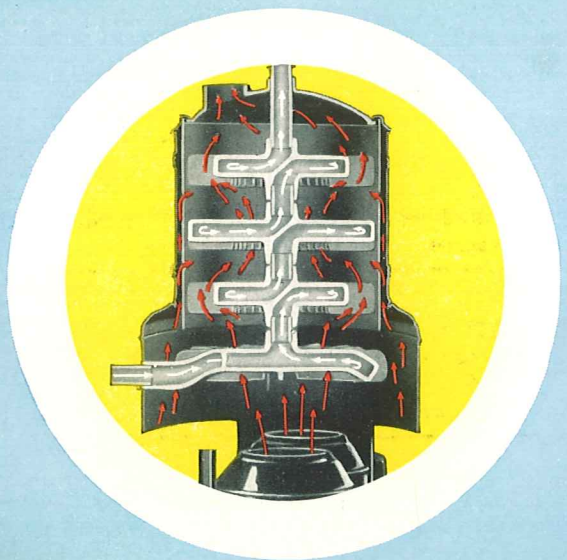
**MODEL 630: 30 gallon storage capacity. Recovery rate 45 gallons per hour, raised 60°F in temperature. Covers less than 3½ square feet of floor space. For a family of less than five.**

# *Perfection* KEROSENE WATER HEATERS



***MODEL 427*** Perfection Water Heater equipped with two Short-Drum Burners and Big Giant drums. Has one large and three small cast iron "steady-flow" heating units, two-gallon lift-out metal reservoir with fuel gauge. Metal shield protects oil reservoir from heat of burner. Finished in baked black enamel. Handy burner cleaning tool is furnished with this heater.

***MODEL 406-B*** Perfection Water Heater. Has one Short-Drum Burner with Big Giant drum, two cast iron "steady flow" heating units, removable jacket and reversible, removable one-gallon glass reservoir. This model is supported by the water pipes. Finished in black baked enamel. Handy burner cleaning tool is furnished with this heater.



Large and small alternating cast iron "steady-flow" heating units have extra-large water passages and special heat collecting fins, assuring lots of hot water at low cost.

YOU can count on an ample supply of hot water when you own a Perfection Kerosene Water Heater. You can count your savings, too, because these heaters cost less to buy and less to operate.

Ideal for small homes, they will produce plenty of hot water for every family need.

They are efficient, sturdy and dependable, designed to give years of splendid service.

Perfection Water Heaters owe their widespread popularity to the fact that they have passed the test of time.

# SPECIFICATIONS

## *Superfex* OIL AND GAS AUTOMATIC WATER HEATERS

### Assembled Heater

| | Model 430 | Model 450 | Model 630 | Model 650 |
|---|---|---|---|---|
| Height to top of casing | 55″ | 56″ | 55″ | 56″ |
| Height to top of tee | 58½″ | 59½″ | ... | ... |
| Height to top of draft diverter | ... | ... | 65½″ | 66½″ |
| Width (over-all) | 24″ | 28″ | 21″ | 25″ |
| Depth | 18 9/16″ | 22 9/16″ | 18 9/16″ | 22 9/16″ |
| Net weight (lbs.) | 215 | 305 | 203 | 288 |
| Shipping weight (lbs.) | 245 | 366 | 233 | 348 |
| Finish | Baked white enamel | Baked white enamel | Baked white enamel | Baked white enamel |
| Code Word | Nacirne | Nadab | Nadir | Nadiral |

### Water Storage Tank

| | | | | |
|---|---|---|---|---|
| Storage capacity (gals.) | 30 | 50 | 30 | 50 |
| Finish | Hot-dip galvanized | Hot-dip galvanized | Hot-dip galvanized | Hot-dip galvanized |
| Working pressure rating (lbs.) | 127½ | 127½ | 127½ | 127½ |
| Test pressure rating (lbs.) | 300 | 300 | 300 | 300 |
| Water pipe connections (I.P.S.) | ¾″ | ¾″ | ¾″ | ¾″ |
| Insulation | Glass wool and confined-air space | Glass wool and confined-air space | Glass wool, top and sides | Glass wool, top and sides |

### Operation

| | | | | |
|---|---|---|---|---|
| Recovery rate, (gals. per hour based on a 60° F temperature rise) | 45 | 60 | 45 | 60 |
| Fuel | No. 1 fuel oil or kerosene | No. 1 fuel oil or kerosene | Gas—natural, mixed, manufactured or L.P. | Gas—natural, mixed, manufactured or L.P. |
| Draft requirements for maximum output (inches of water) | .03 | .05 | ... | ... |
| Center flue diameter (inches) | 6″ | 6″ | 6″ | 6″ |
| Flue pipe diameter (inches) | 6″ | 6″ | 4″ | 4″ |
| Control | Thermostatically operated oil control valve | Thermostatically operated oil control valve | Bulb type thermostat with full safety control | Bulb type thermostat with full safety control |

## PERFECTION KEROSENE WATER HEATERS

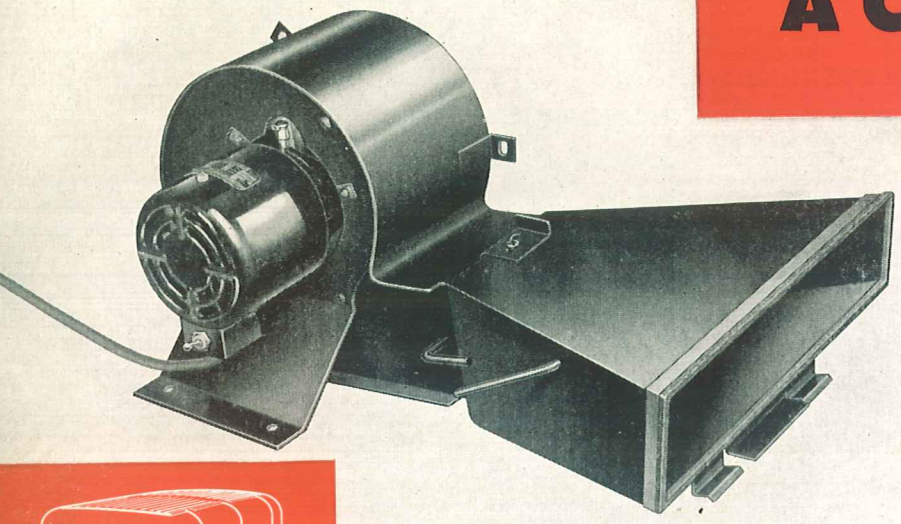
### Assembled Heater

| | Model 406-B | Model 427 |
|---|---|---|
| Height | 22¾″ | 33½″ |
| Width (over-all) | 18″ | 27½″ |
| Depth | 10½″ | 12¾″ |
| Net weight (lbs.) | 27¾ | 66 |
| Shipping weight, domestic (lbs.) | 39 | 86½ |
| Shipping weight, export (lbs.) | 42 | 95 |
| Export cubic feet | 3.32 | 8.43 |
| Finish | Black baked enamel | Black baked enamel |
| Code word | Nacred | Nacre |

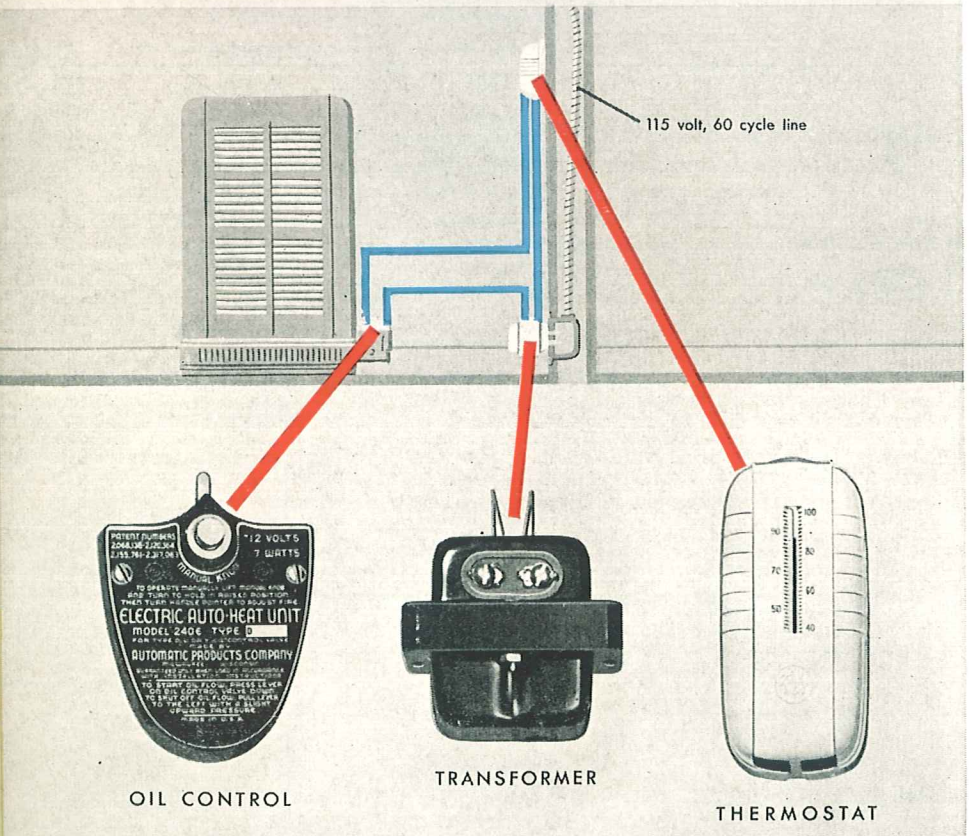
### Operation

| | | |
|---|---|---|
| Heating performance (temperature rise per gallon per minute) | 12° F | 24° F |
| Fuel | Kerosene | Kerosene |
| Stack diameter | 4″ | 4″ |
| Control | Manual | Manual |

# ACCESSORIES



## PERFECTION BLOWER




## AUTOMATIC THERMOSTAT

### No. 26, PERFECTION BLOWER (*)

More than just a fan, this compact blower unit has a scientifically designed housing and adjustable air control that directs a comforting flow of heat across the floor—an "extra" carpet of warmth that solves the problem of heating cold spots, far corners and hard-to-heat rooms. This Perfection "Floor-Flo" Blower, when installed on any Perfection Console Heater, is completely concealed inside the heater casing. Shipping weight, 16½ lbs.

### REMOVABLE RESERVOIR

When an outside storage tank is not used, this portable reservoir permits easy refilling away from the heater. Sturdily constructed, this removable reservoir with its spring-seal cap will not splash or spill oil when being moved. In addition to the reservoir itself, this accessory is a complete unit consisting of oil basin, brackets, leveling screws, brass connection and feed pipe. No. 34 (illustrated) for Models 3168, 3155, 3140; No. 35 for Models 3050, 2150, 2050; No. 32 for Models 3040 and 2130. Shipping Weight: No. 34—14 lbs.; No. 35—14 lbs.; No. 32—11 lbs.

### No. 30, SUPERDRAFT (*)

Perfection's exclusive Superdraft improves weak or faulty chimney drafts by pulling air into the burner in proper proportion for effective combustion and can be used on any oil-burning heater with an output no greater than 70,000 B.t.u. per hour. As a result, the Superdraft makes efficient combustion possible for heaters in fireplaces, low buildings, trailers and dining-car lunch rooms. Easy to install, the Superdraft is a self-contained unit electrically operated, assuring a clean, full-bodied flame. Shipping weight, 15½ lbs.

### No.12, AUTOMATIC THERMOSTAT(*)

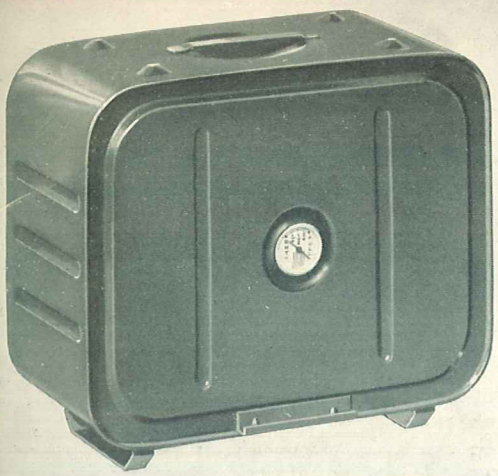
This control set comes complete with attractive wall thermostat, transformer, electric oil control, connecting wire, clips and mounting screws. All Perfection and Ivanhoe Heaters except Model 2030 can be made FULLY AUTOMATIC by adding this control. In case of electric current failure, the heater can be operated manually. Shipping weight, 3¼ lbs.

### No. 15, FUEL PUMP (*)

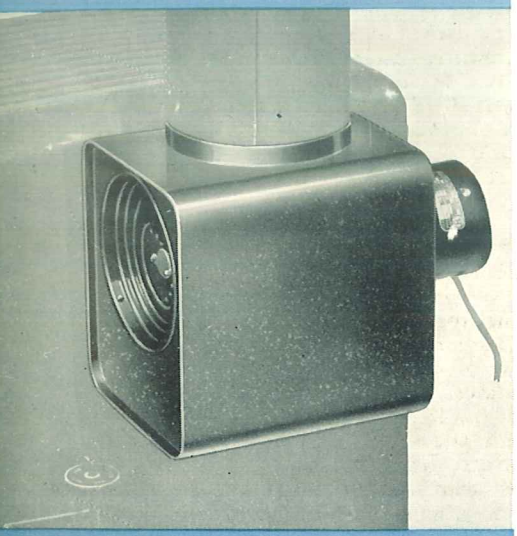
All Perfection and Ivanhoe Heaters except Model 2030 can be installed higher than your fuel storage tank or at a distance from it by using this dependable pump with its built-in, easy-to-clean filter. Quiet in operation, it will deliver fuel oil 25 ft. vertically or 100 ft. horizontally. Shipping weight, 9¾ lbs.

(*) *All electrical devices are made to operate on 115-volt, 60-cycle current and cause no radio interference.*

# FOR HOME HEATERS



RESERVOIR



SUPERDRAFT

FUEL PUMP

# USE ONLY GENUINE PERFECTION WICKS

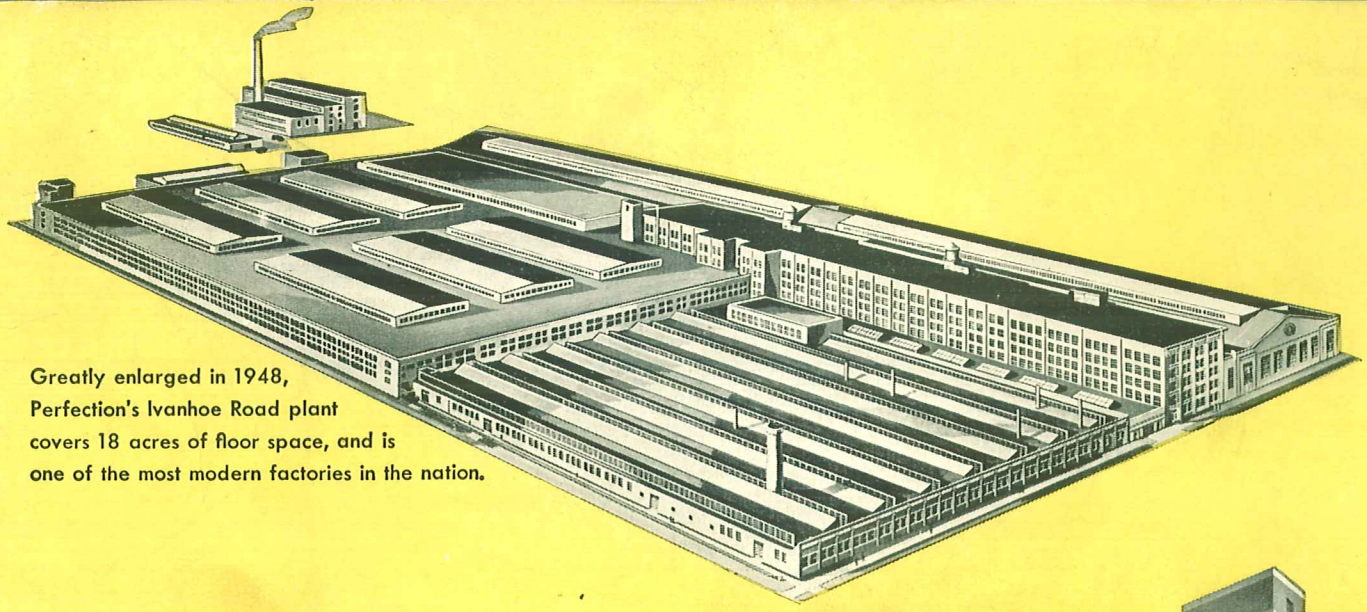
ONLY genuine Perfection Wicks will give you the best results in clean heat from your Perfection Portable Heater. Identified by the red triangle trade mark, genuine Perfection Wicks have the name "Perfection" dyed in red on the fabric of the wick. Specially spun and woven to feed oil uniformly, these wicks are tested and shaped by actual burning before packing.

**No. 325 WICK**
For use only in the 300 and 400 series of Perfection Portable Heaters.

**No. 500 WICK**
For use with all Perfection Portable Heaters except the 300 and 400 series.

**WICK SPECIFICATIONS**

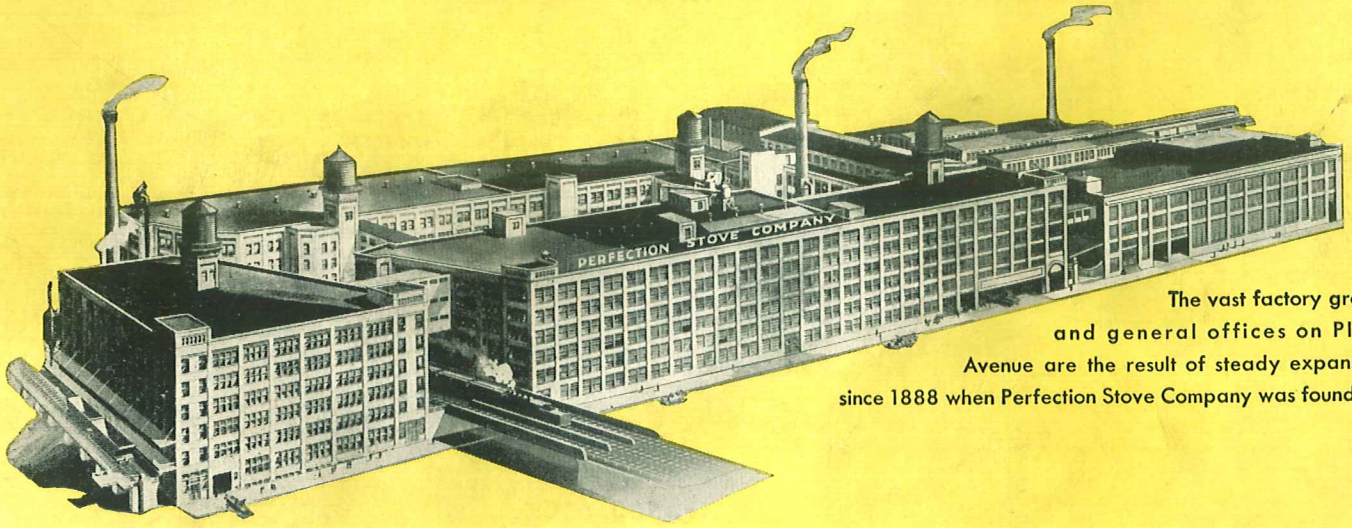
| | | Length | Width | Height | Dom. Ship. Wt. Lbs. | Export Ship. Wt. Lbs. | Export Cu. Ft.-Crated | Code Word |
|---|---|---|---|---|---|---|---|---|
| No. 325 Wick and Carrier | 1 Doz. to Carton | 9½″ | 6″ | 12½″ | 4 | ..... | ..... | Scruple |
| | 1 Gross to Carton | 19½″ | 18½″ | 26¼″ | 49 | 56 | 6-7/12 | Scruple |
| No. 500 Wick and Carrier | 1 Doz. to Carton | 9½″ | 5¼″ | 12⅜″ | 4¼ | ..... | ..... | Tactful |
| | 1 Gross to Carton | 19¾″ | 16¼″ | 26″ | 52 | 56 | 5-5/12 | Tactful |



Greatly enlarged in 1948, Perfection's Ivanhoe Road plant covers 18 acres of floor space, and is one of the most modern factories in the nation.

*The Mark of Quality*

Perfection's new, million-dollar Research Center on Platt Avenue is devoted to the development of new and better products. It has no equal in the industry.




The vast factory group and general offices on Platt Avenue are the result of steady expansion since 1888 when Perfection Stove Company was founded.

# PERFECTION STOVE COMPANY

(INCORPORATED)

## Factories and General Offices in Cleveland, Ohio, U. S. A.

District Offices: Atlanta, Ga.; Jersey City, N. J.; Kansas City, Mo.; Chicago, Ill.; Cleveland, Ohio; St. Paul, Minn.; Oakland, Calif.

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